

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): KAGEYAMA et al.	Atty. Dkt.: 02-102
Serial No.: Unknown	Group Art Unit:
Filed: Concurrently herewith	Examiner:
Title: COMMUTATOR, MANUFACTURING METHOD OF COMMUTATOR, MANUFACTURING APPARATUS OF COMMUTATOR AND COMMUTATOR PLATE MATERIAL	

Commissioner for Patents  
Arlington, VA 22202

Date: September 30, 2003

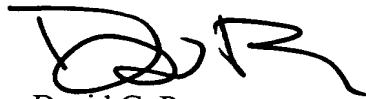
**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §1.56, the reference(s) listed on the attached Form PTO-1449 is/are being submitted for consideration by the Examiner without any admission that it/they constitute(s) statutory prior art, or without any admission that it/they contain(s) subject matter that anticipates the invention or renders the invention obvious to a person of ordinary skill in the art.

The Examiner is requested to initial the attached PTO Form-1449 and to return a copy of same to the undersigned attorney as proof that the listed reference(s) has/have been considered and made of record.

Respectfully submitted,



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FORM PTO-1449		ATTY. DKT NO. 02-102	SER. NO.	
		APPLICANT KAGEYAMA et al.		
		FILING DATE September 30, 2003	GROUP	

**REFERENCE DESIGNATION**

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
		US 6,489,703 (English counterpart of JP-A-2001-245456 which is discussed in page 2 of the spec.)	Dec.3, 2002	Terada et al.		

**FOREIGN PATENT DOCUMENTS**

**TRANSLATION**

		DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS	YES	NO
		JP-B2-3360509	10/18/02	JAPAN				X (Abstract)	

\* Full English text of the JP Document will be available in machine-translated form from JP (Japanese Patent Office) English language web site at <http://www1.ipdl.jpo.go.jp/PA1/cgi-bin/PA1INDEX>.

**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**

EXAMINER		DATE CONSIDERED